

Appendix Table 2-13
Doctorate recipients' source of primary support, by broad field of study, sex, citizenship, ethnicity, and race: 2011–13

(Percent)

			U.S. citizens and permanent residents											
							Not Hispanic or Latino							
Source of primary support and broad field of study	Total ^a	Temporary visa holder	Total	Male	Female	Hispanic or Latino ^b	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported	Unknown citizenship
All fields (number)	152,640	44,676	98,653	48,013	50,640	6,261	350	8,664	6,122	72,030	2,385	821	2,020	9,311
Fellowship or traineeship	20.4	15.9	24.1	23.2	24.9	30.7	37.1	27.2	28.6	22.8	31.1	24	11.2	2.5
Grant	5.1	3.3	6.3	6.6	6.1	5.6	3.4	8.8	4.4	6.4	5.9	6.1	2.7	0.5
Teaching assistantship	18.2	21.4	18.2	18.8	17.7	16.7	8.9	15.5	10.2	19.8	16.1	15.3	9.6	2.2
Research assistantship	27.3	46.0	21.0	24.6	17.6	15.4	10.0	28.4	11.9	21.8	22.4	19.9	9.1	3.6
Personal	14.3	3.3	20.4	16.5	24.1	21.4	28.3	11.2	34.5	20.6	19.0	19.4	10	1.8
Other	4.0	3.9	4.4	4.8	4.0	3.2	4.9	4.4	4.5	4.6	2.7	3.2	2.1	0.5
Unknown	10.8	6.1	5.5	5.5	5.6	7.1	7.4	4.5	5.8	4.1	2.7	12.2	55.3	88.9
S&E (number)	114,047	38,495	68,856	35,776	33,080	4,287	213	7,017	3,585	50,026	1,730	566	1,432	6,696
Fellowship or traineeship	20.4	13.9	25.8	23.8	27.9	34.2	43.7	26.9	34.8	24.4	32.3	23.3	11.3	2.3
Grant	6.5	3.7	8.6	8.6	8.6	7.5	D	10.5	6.6	8.7	7.9	D	3.6	0.7
Teaching assistantship	16.3	20.0	15.7	16.2	15.1	13.3	5.6	13.8	9.9	16.9	13.5	14.5	8.0	1.8
Research assistantship	33.5	50.7	26.8	30.8	22.5	19.2	13.1	32.0	15.1	28.0	27.7	27.0	11.1	4.5

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Personal	9.3	2.2	14.1	10.9	17.5	15.6	19.7	8.2	25.2	14.2	13.5	12.4	7.5	1.2
Other	3.5	3.6	3.8	4.4	3.0	2.8	D	4.3	3.2	3.9	2.3	D	1.9	0.4
Unknown	10.4	5.9	5.3	5.3	5.3	7.4	8.9	4.4	5.4	3.8	2.8	11.7	56.6	89.0
Agricultural sciences (number)	3,489	1,342	1,994	1,038	956	134	10	94	90	1,592	33	8	33	153
Fellowship or traineeship	18.3	15.0	21.7	17.4	26.3	27.6	D	12.8	30.0	20.8	D	12.5	15.2	2.6
Grant	5.3	3.2	7.0	7.8	6.2	6.0	0.0	10.6	D	7.2	D	12.5	3.0	0.7
Teaching assistantship	8.7	7.9	9.8	8.4	11.3	8.2	D	18.1	D	9.9	D	12.5	0.0	2.0
Research assistantship	44.3	59.7	36.8	37.5	36.1	D	D	44.7	33.3	36.9	36.4	37.5	24.2	7.2
Personal	8.2	1.3	13.3	14.8	11.7	D	D	6.4	18.9	13.6	D	25.0	15.2	2.0
Other	6.8	7.6	6.7	8.6	4.6	5.2	10.0	4.3	1.1	7.4	3.0	0.0	3.0	1.3
Unknown	8.4	5.3	4.7	5.5	3.9	3.7	0.0	3.2	3.3	4.3	3.0	0.0	39.4	84.3
Biological sciences (number)	25,043	6,475	17,343	7,941	9,402	1,153	45	2,072	742	12,464	481	152	234	1,225
Fellowship or traineeship	30.9	21.5	36.3	35.8	36.7	47.5	D	36.7	46.1	34.5	42.8	37.5	D	3.5

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Earth, atmospheric, and ocean sciences (number)	2,573	786	1,662	942	720	79	7	83	30	1,396	28	13	26	125
Fellowship or traineeship	19.7	14.1	23.7	21.8	26.3	40.5	D	D	40.0	23.6	D	7.7	15.4	1.6
Grant	6.8	5.0	8.1	7.0	9.6	D	0.0	D	0.0	8.8	D	15.4	0.0	0.0
Teaching assistantship	15.0	14.5	16.1	16.8	15.3	12.7	D	9.6	D	17.1	D	0.0	11.5	3.2
Research assistantship	43.2	57.3	39.3	40.1	38.2	D	D	51.8	30.0	39.1	57.1	61.5	23.1	7.2
Personal	4.3	0.6	6.2	6.5	5.8	10.1	D	D	D	6.0	0.0	0.0	7.7	1.6
Other	3.4	4.7	3.1	3.7	2.2	1.3	0.0	8.4	3.3	2.9	7.1	0.0	0.0	0.0
Unknown	7.6	3.8	3.5	4.1	2.6	2.5	0.0	4.8	3.3	2.5	10.7	15.4	42.3	86.4
Engineering (number)	25,375	13,213	10,605	7,929	2,676	567	18	1,673	452	7,296	233	93	273	1,557
Fellowship or traineeship	15.2	8.2	25.7	22.5	35.3	34.4	33.3	21.2	42.7	25.6	31.3	17.2	7.7	1.9
Grant	4.6	3.1	7.0	6.8	7.5	3.9	D	8.1	3.3	7.5	5.2	D	1.5	0.5
Teaching assistantship	7.4	9.6	5.5	5.5	5.5	6.0	D	6.0	4.0	5.5	2.1	9.7	D	0.9


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Research assistantship	53.5	67.8	42.5	43.8	38.6	36.3	33.3	49.4	30.3	42.9	50.2	43.0	14.3	7.2
Personal	3.7	1.7	6.7	7.4	4.6	6.9	D	5.6	10.2	6.8	4.7	6.5	D	0.7
Other	4.8	3.5	7.1	8.3	3.3	7.6	D	5.4	5.3	7.7	4.3	D	4.0	0.8
Unknown	10.8	6.0	5.6	5.7	5.2	4.9	5.6	4.2	4.2	3.9	2.1	10.8	63.7	88.0
Mathematics (number)	5,126	2,279	2,526	1,836	690	107	D	265	70	1,941	62	D	58	321
Fellowship or traineeship	14.1	11.2	18.4	17.3	21.2	28.0	D	D	38.6	17.4	24.2	25.0	3.4	1.6
Grant	1.5	0.7	2.3	1.7	3.8	D	0.0	D	D	2.6	D	0.0	0.0	0.3
Teaching assistantship	55.7	63.4	54.7	56.4	50.0	43.9	D	51.3	32.9	57.0	56.5	D	43.1	9.0
Research assistantship	13.6	16.8	12.2	12.0	12.9	16.8	D	17.0	D	12.0	D	15.0	1.7	1.2
Personal	3.4	1.1	5.9	6.0	5.4	D	0.0	6.8	10.0	5.8	D	20.0	1.7	0.6
Other	2.2	2.3	2.3	2.2	2.6	2.8	0.0	3.4	5.7	2.0	4.8	0.0	3.4	0.3
Unknown	9.5	4.4	4.2	4.2	4.2	3.7	0.0	2.6	4.3	3.4	0.0	0.0	46.6	86.9
Medical and other health sciences (number)	6,958	1,374	5,087	1,367	3,720	225	25	488	564	3,561	96	46	82	497

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Fellowship or traineeship	21.9	18.5	24.8	22.6	25.7	33.3	44.0	29.7	30.9	22.2	46.9	13.0	19.5	1.8
Grant	5.8	3.3	7.0	7.8	6.8	7.1	D	8.4	D	6.9	8.3	4.3	7.3	0.2
Teaching assistantship	9.4	18.6	7.8	11.3	6.5	7.1	0.0	8.0	D	8.5	D	6.5	3.7	1.0
Research assistantship	17.6	37.0	13.8	16.6	12.8	11.6	D	20.9	7.6	14.1	D	21.7	9.8	2.6
Personal	24.7	6.8	31.8	25.3	34.1	33.3	D	18.9	41.1	32.6	D	32.6	17.1	2.2
Other	8.9	9.0	9.7	9.4	9.8	4.9	20.0	9.8	4.8	11.2	4.2	0.0	1.2	0.2
Unknown	11.6	6.7	5.1	6.9	4.4	2.7	4.0	4.3	3.9	4.5	3.1	21.7	41.5	92.0
Physical sciences (number)	13,753	5,212	7,762	5,354	2,408	403	13	668	243	6,025	201	65	144	779
Fellowship or traineeship	12.3	7.3	16.8	15.0	20.9	27.3	D	15.4	29.2	15.8	17.4	20.0	D	1.4
Grant	4.9	2.9	6.6	6.6	6.5	5.7	D	D	4.1	6.9	7.0	4.6	3.5	0.6
Teaching assistantship	21.2	27.1	19.3	19.1	19.6	20.3	D	19.8	25.5	19.3	12.9	23.1	D	1.8
Research assistantship	48.5	55.3	48.2	49.8	44.8	36.7	D	49.9	28.8	50.0	57.7	36.9	D	6.5
Personal	2.0	0.4	3.2	3.3	3.0	4.5	D	D	5.3	3.3	2.5	1.5	0.7	0.1
Other	1.2	1.1	1.4	1.6	1.0	1.0	0.0	1.5	1.2	1.5	0.5	1.5	2.1	0.0


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Unknown	9.8	5.9	4.4	4.5	4.2	4.5	7.7	5.4	5.8	3.2	2.0	12.3	50.0	89.5
Psychology (number)	10,782	774	9,179	2,547	6,632	802	35	512	545	6,669	255	53	308	829
Fellowship or traineeship	15.6	19.4	16.5	16.9	16.4	19.5	37.1	24.8	28.6	14.9	22.4	11.3	2.3	1.3
Grant	2.4	1.3	2.7	2.9	2.6	3.0	D	2.7	1.5	2.8	2.7	7.5	D	0.4
Teaching assistantship	17.9	30.5	18.3	21.5	17.1	12.0	0.0	23.4	9.7	20.3	12.9	17.0	3.9	1.3
Research assistantship	17.1	22.4	18.1	16.4	18.8	10.6	D	17.8	11.6	20.3	21.2	9.4	D	1.0
Personal	29.2	11.6	32.9	29.6	34.2	33.5	D	24.6	41.3	33.8	36.1	28.3	D	3.6
Other	1.5	4.9	1.3	2.2	1.0	1.2	0.0	1.2	1.8	1.4	0.0	1.9	0.0	0.1
Unknown	16.4	9.9	10.1	10.6	9.9	20.2	14.3	5.5	5.5	6.4	4.7	24.5	81.5	92.3
Social sciences (number)	15,495	4,368	10,279	4,891	5,388	735	54	744	756	7,416	285	93	196	848
Fellowship or traineeship	27.2	29.2	28.2	26.9	29.5	34.4	51.9	34.8	27.9	27.1	33.0	23.7	13.8	4.2
Grant	0.8	0.8	0.9	0.9	0.9	1.6	D	1.3	D	0.8	D	0.0	0.5	0.1
Teaching assistantship	28.6	34.8	28.1	29.1	27.2	26.8	D	32.0	12.8	30.1	D	23.7	12.2	3.1



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Research assistantship	12.8	17.5	11.6	12.3	11.0	8.0	D	9.9	D	12.9	8.1	11.8	6.1	2.4
Personal	17.3	6.5	23.2	22.2	24.1	20.8	25.9	15.5	39.6	22.6	27.0	24.7	14.3	1.8
Other	3.5	4.6	3.2	3.7	2.8	2.9	3.7	2.2	3.7	3.3	2.5	6.5	3.1	0.7
Unknown	9.8	6.6	4.7	5.0	4.4	5.4	5.6	4.3	7.1	3.2	1.4	9.7	50.0	87.7
Non-S&E (number)	38,593	6,181	29,797	12,237	17,560	1,974	137	1,647	2,537	22,004	655	255	588	2,615
Fellowship or traineeship	20.3	28.5	20.1	21.3	19.2	23.0	27.0	28.1	20.0	19.1	28.1	25.5	11.1	3.0
Grant	1.1	1.1	1.2	1.0	1.3	1.3	D	1.5	1.4	1.1	0.8	D	0.5	0.1
Teaching assistantship	23.7	30.3	24.1	26.3	22.6	24.2	13.9	23.0	10.6	26.2	22.9	17.3	13.3	3.0
Research assistantship	8.8	17.0	7.7	6.5	8.6	7.0	5.1	13.5	7.4	7.5	8.4	3.9	4.3	1.3
Personal	28.9	9.9	35.1	33.0	36.6	33.9	41.6	24.2	47.8	35.1	33.6	34.9	16.0	3.3
Other	5.5	5.7	5.8	6.0	5.7	3.9	D	4.8	6.5	6.2	3.7	D	2.7	0.7
Unknown	11.8	7.6	6.0	5.9	6.0	6.6	5.1	5.0	6.4	4.7	2.6	13.3	52.2	88.6

D = suppressed to avoid disclosure of confidential information.

^a Total includes doctorate recipients for whom sex was not reported.

^b Hispanic may be any race. American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, white, and more than one race refer to individuals who are not of Hispanic origin.

NOTES: Includes only doctorate recipients who reported a primary source of support. Reporting categories for ethnicity and race were expanded in 2013; comparisons with prior-year data should be made with caution. Personal support mechanisms include personal savings, other personal earnings, other family earnings or savings, and loans. Research assistantships include research assistantships and other assistantships. Traineeships include internships and residencies. Other support mechanisms include employer reimbursement or assistance, foreign support, and other sources. Percentages may not add to total because of rounding.



SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2014) of the 2013 Survey of Earned Doctorates.
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